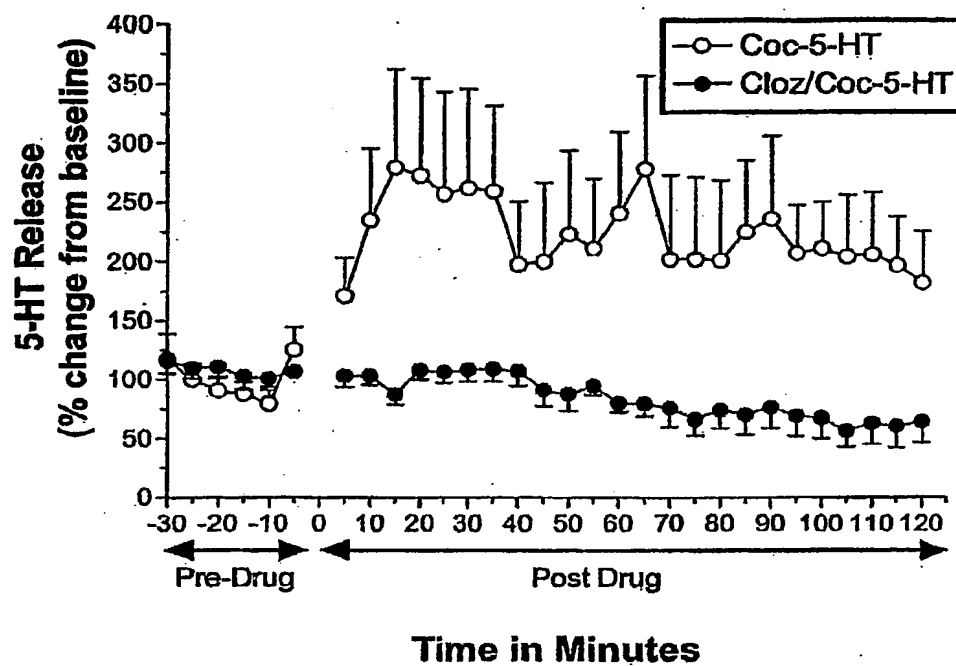


Figure 1A

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**Figure 1B**

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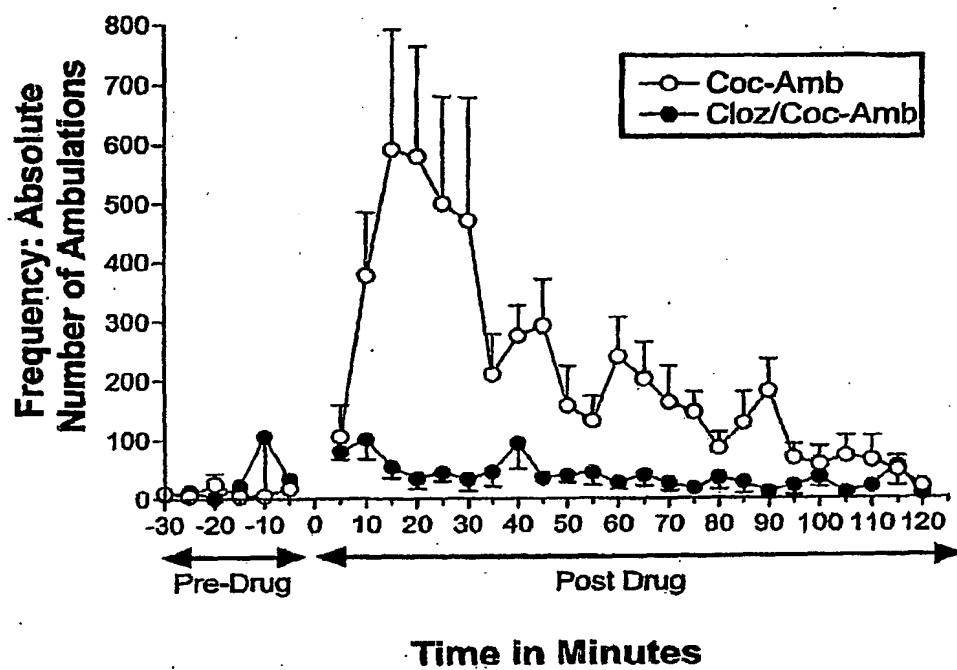
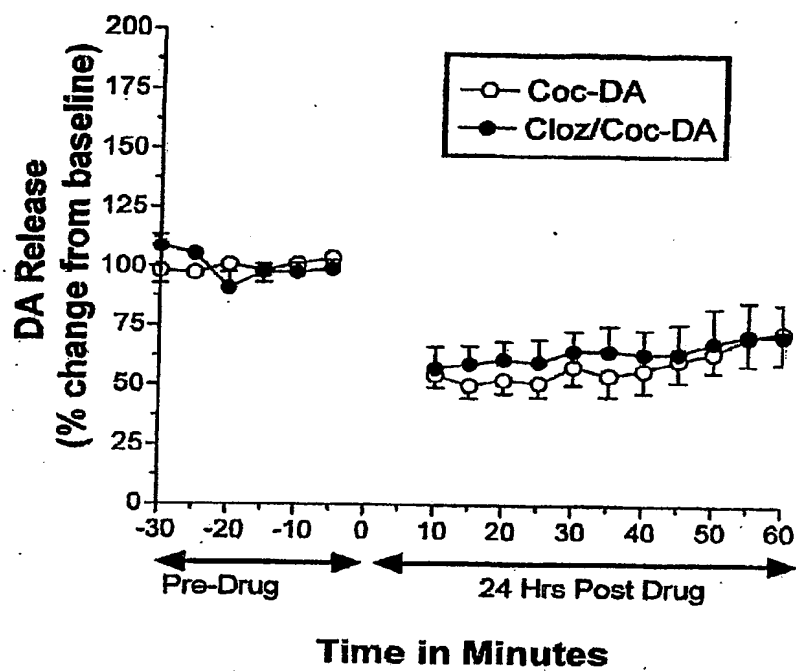
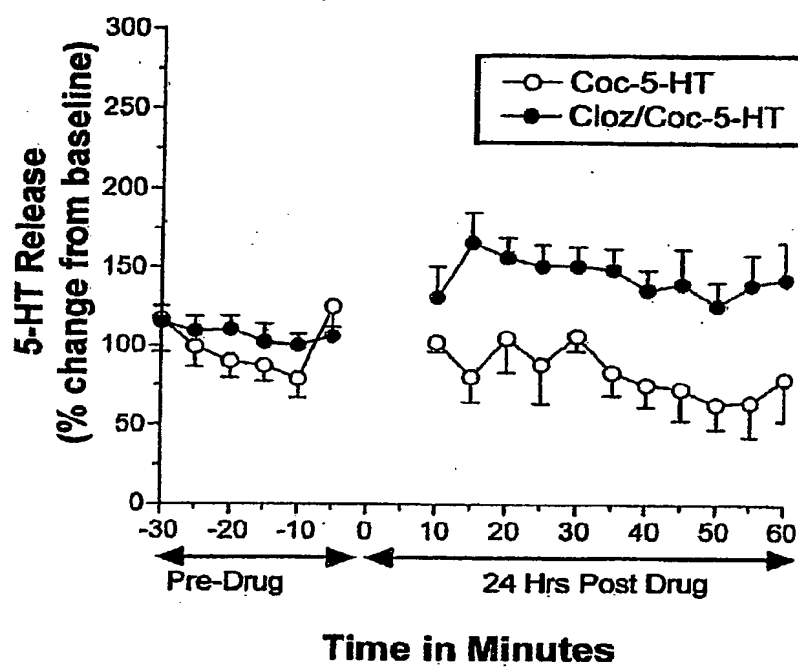


Figure 1C

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**Figure 2A**

**Figure 2B**

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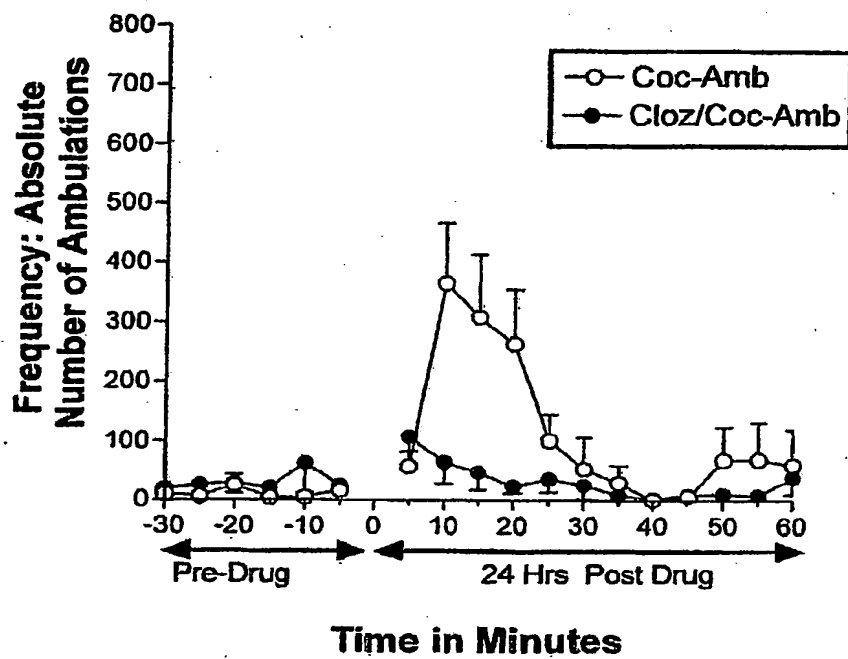


Figure 2C

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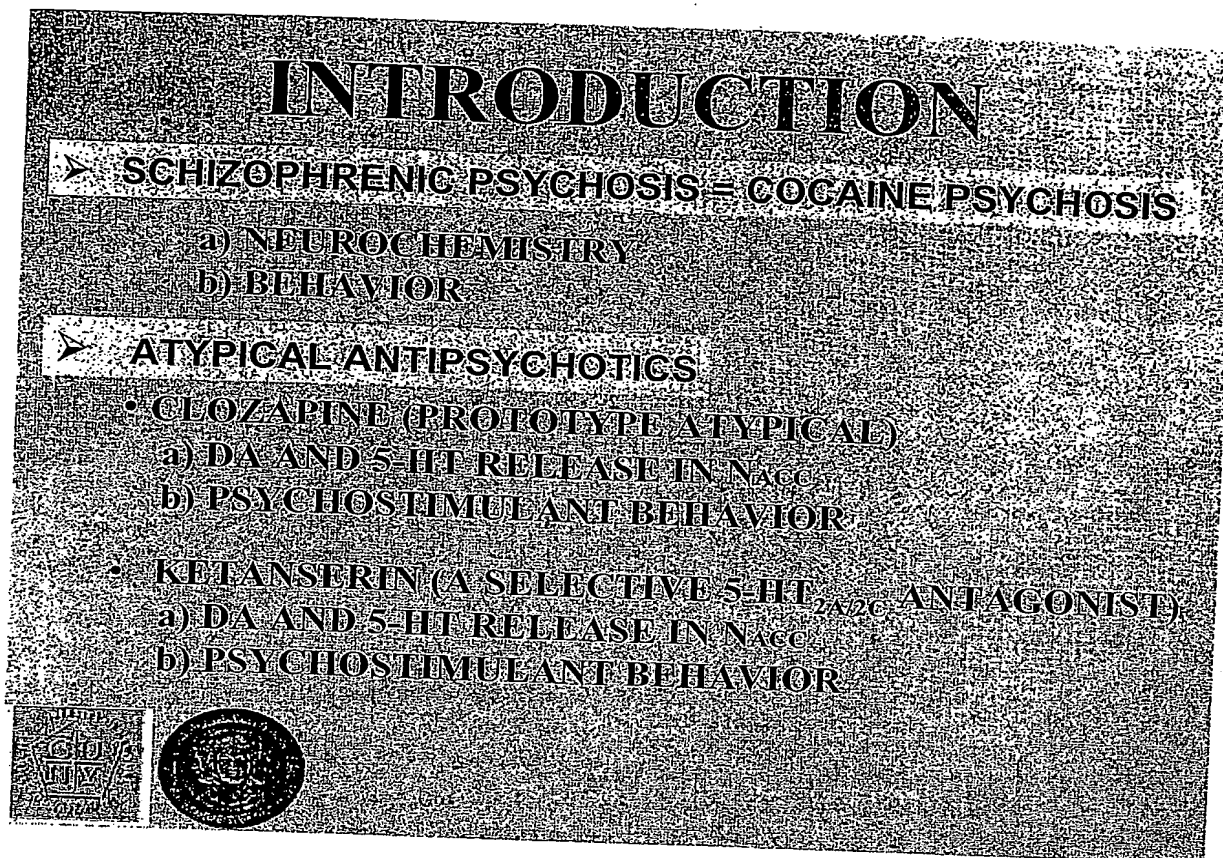


Figure 3A

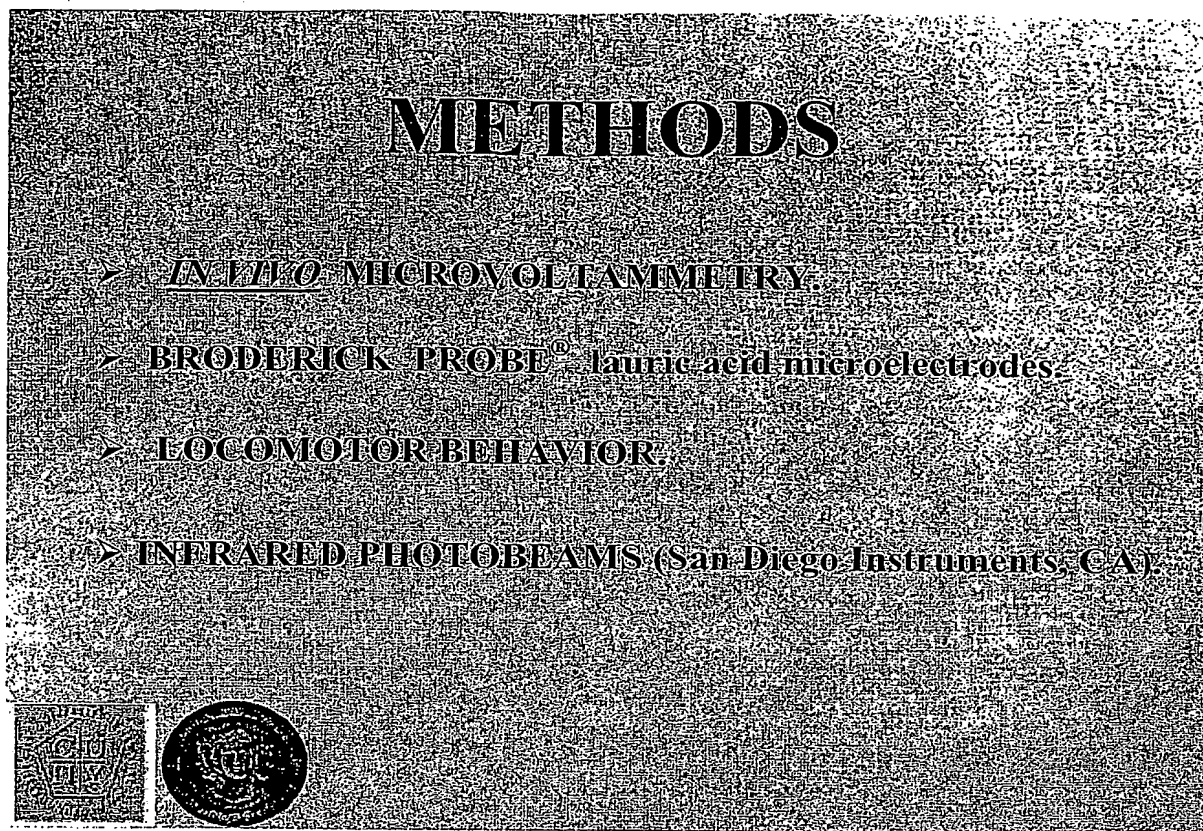


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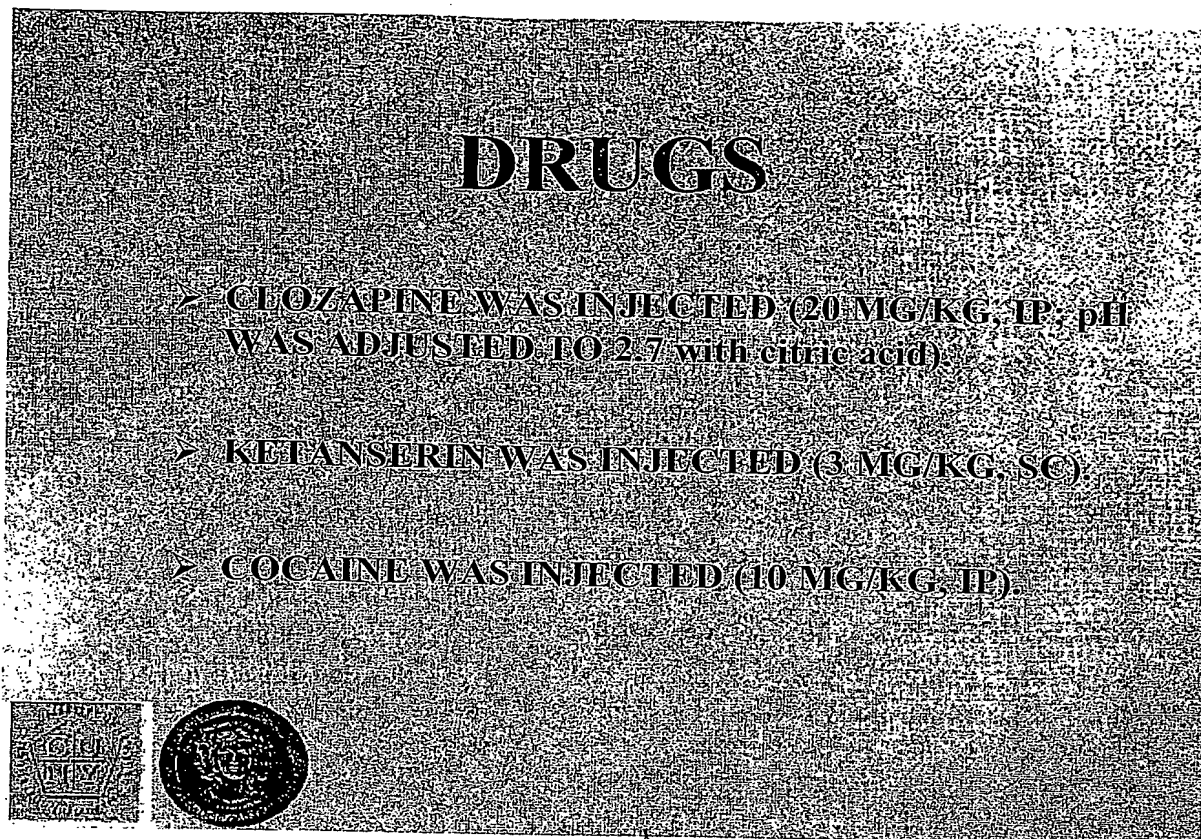


Figure 3C

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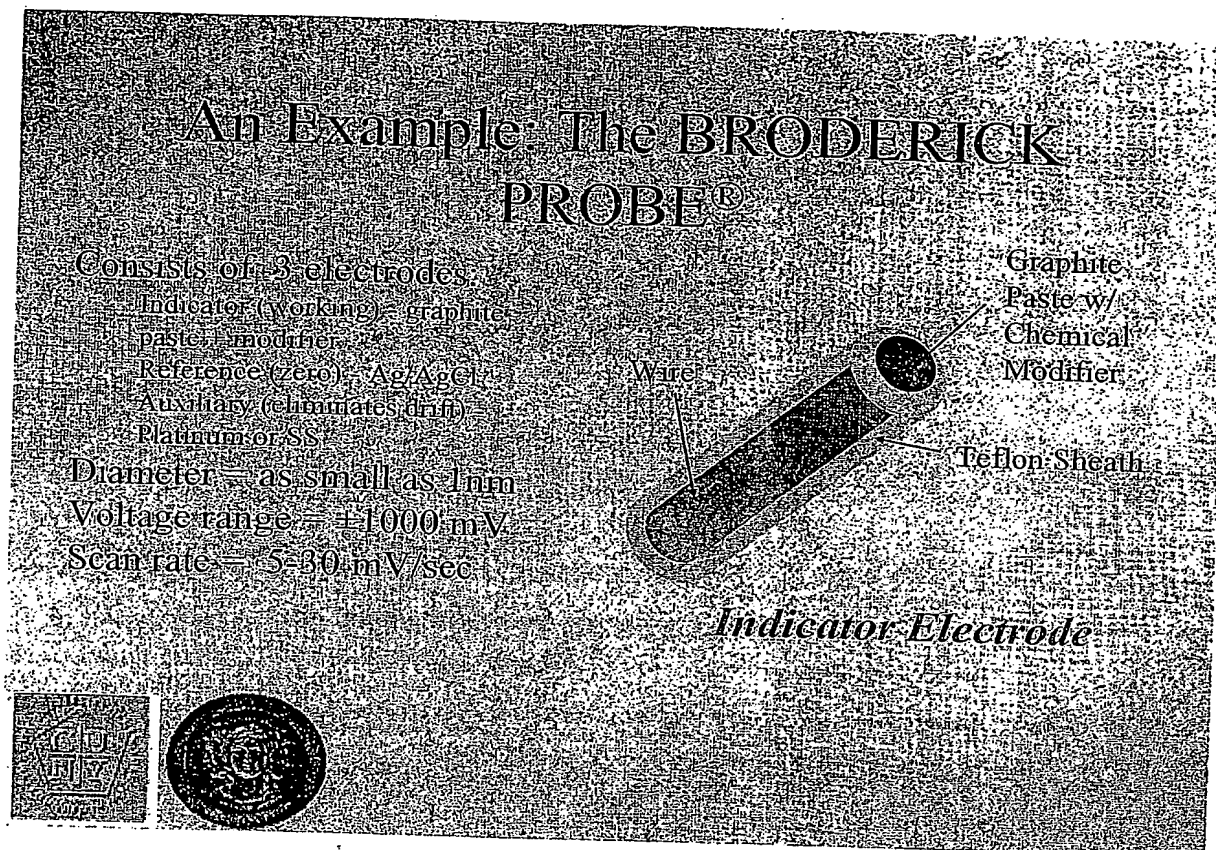
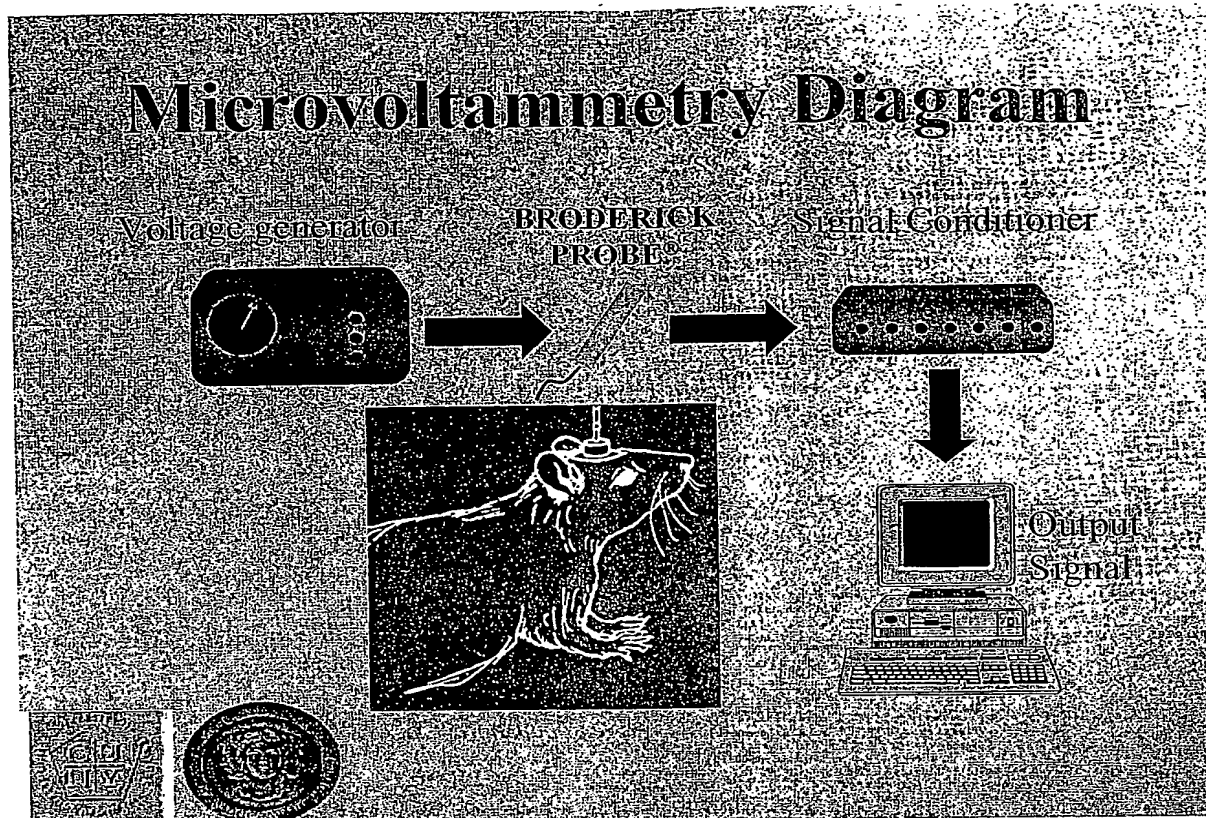
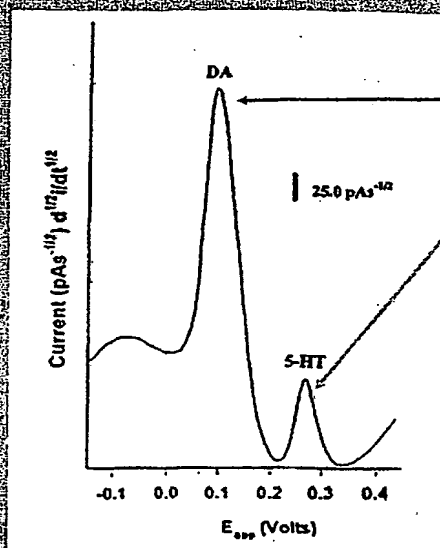


Figure 3D

**Figure 3E**

Typical Voltammogram



Voltammetric signature for a specific neurotransmitter is determined by its characteristic oxidation potential.

Figure 3F

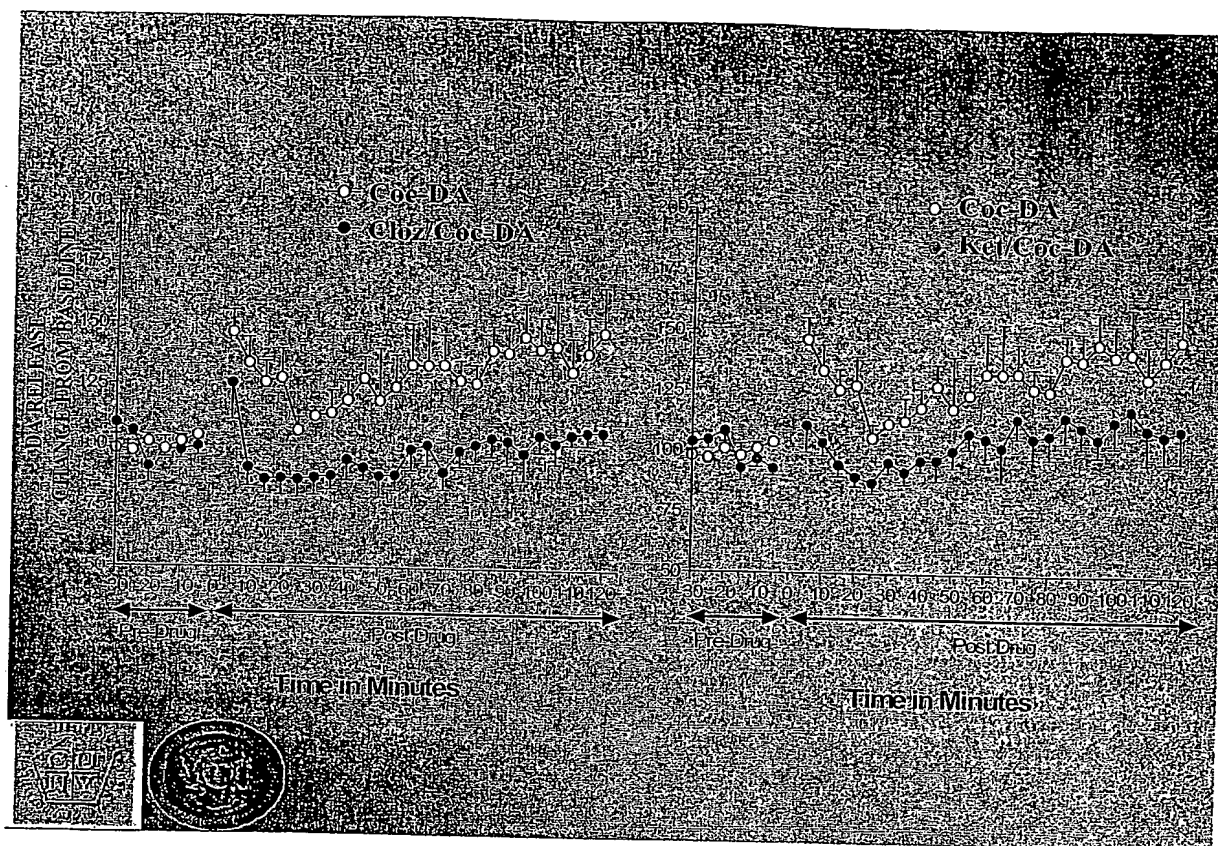
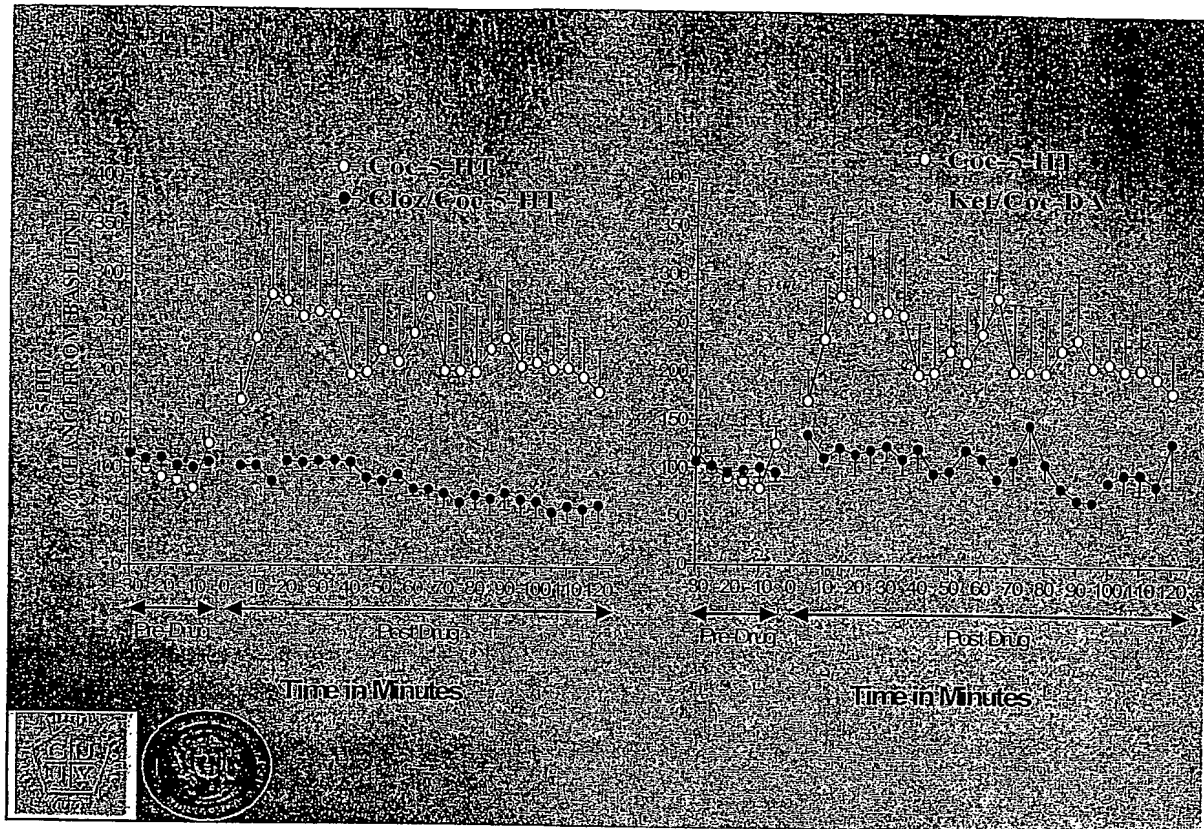
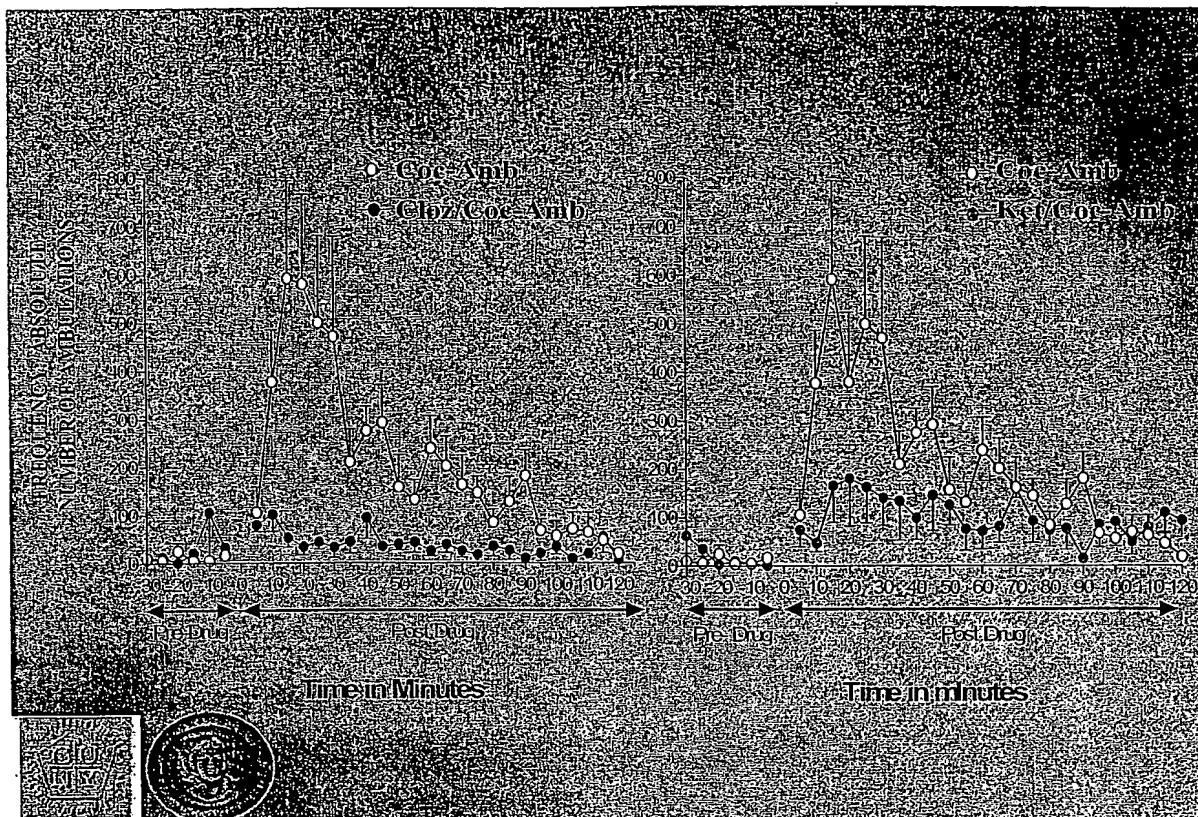


Figure 3G

**Figure 3H**

**Figure 3I**

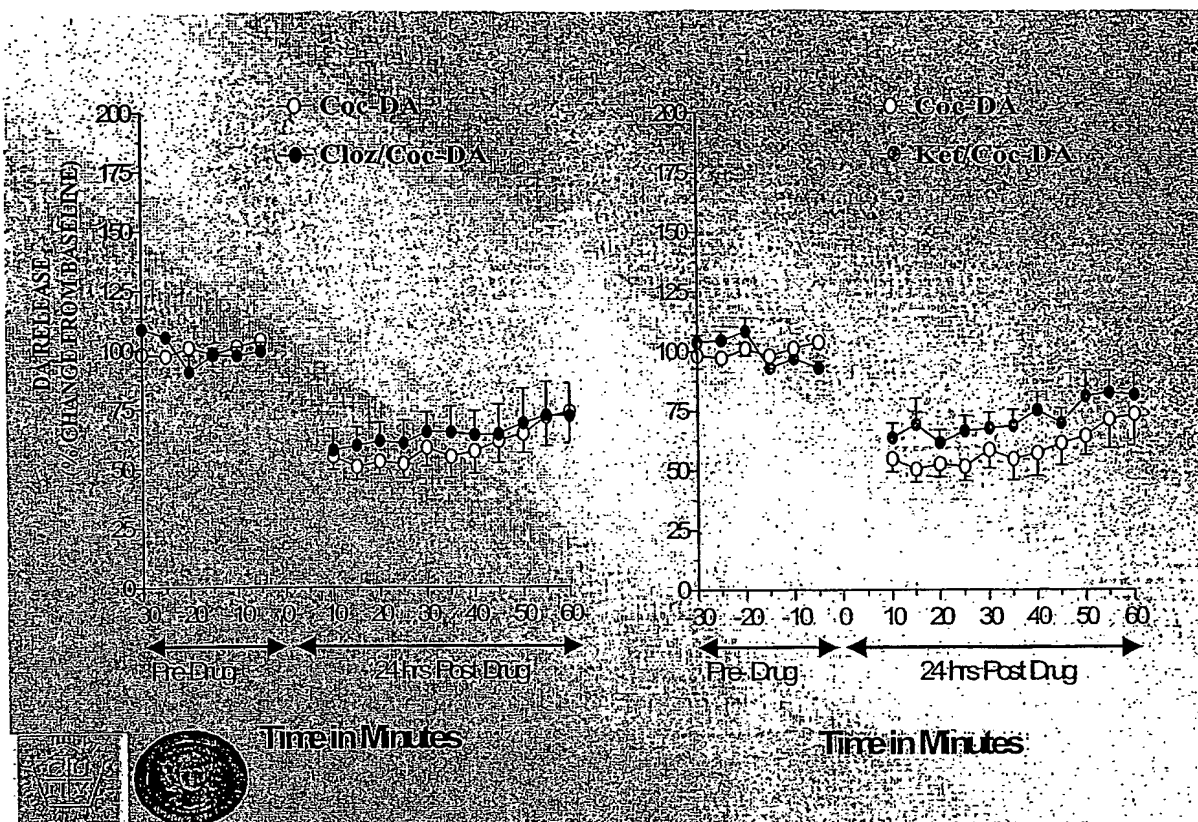
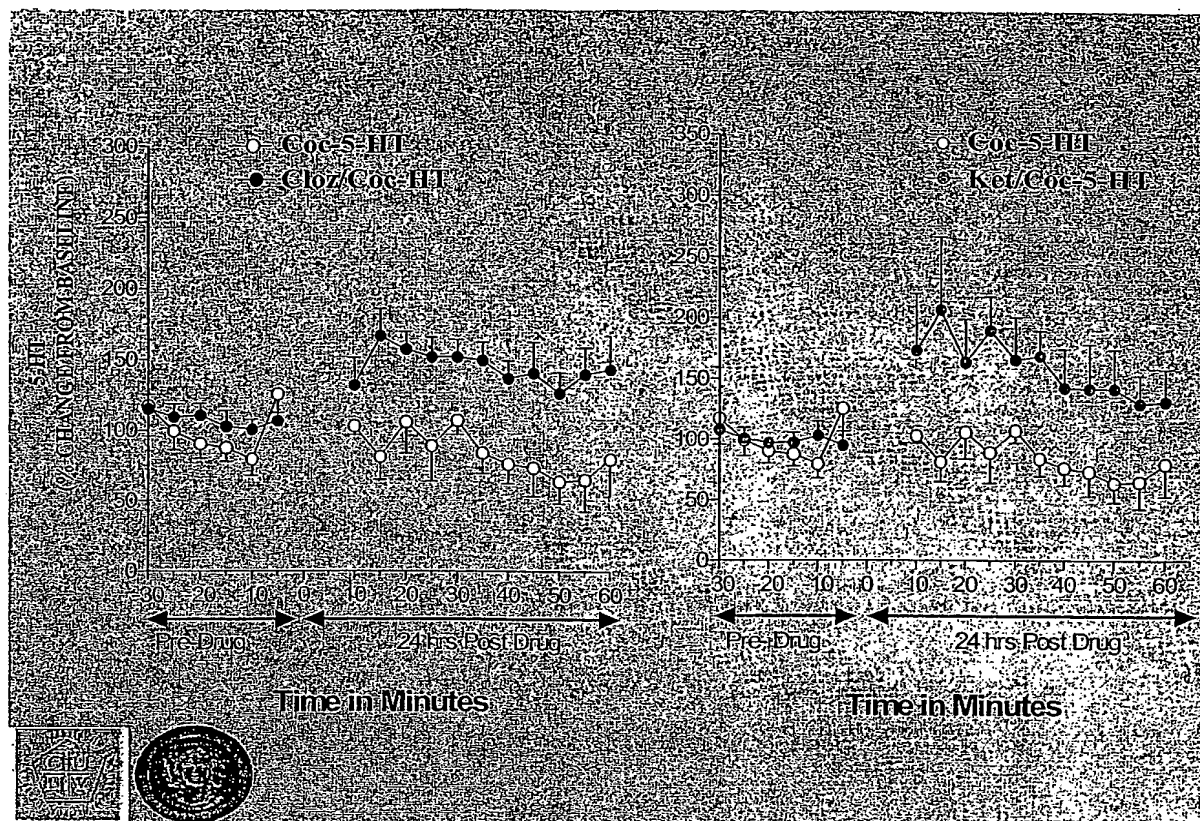


Figure 3J

**Figure 3K**

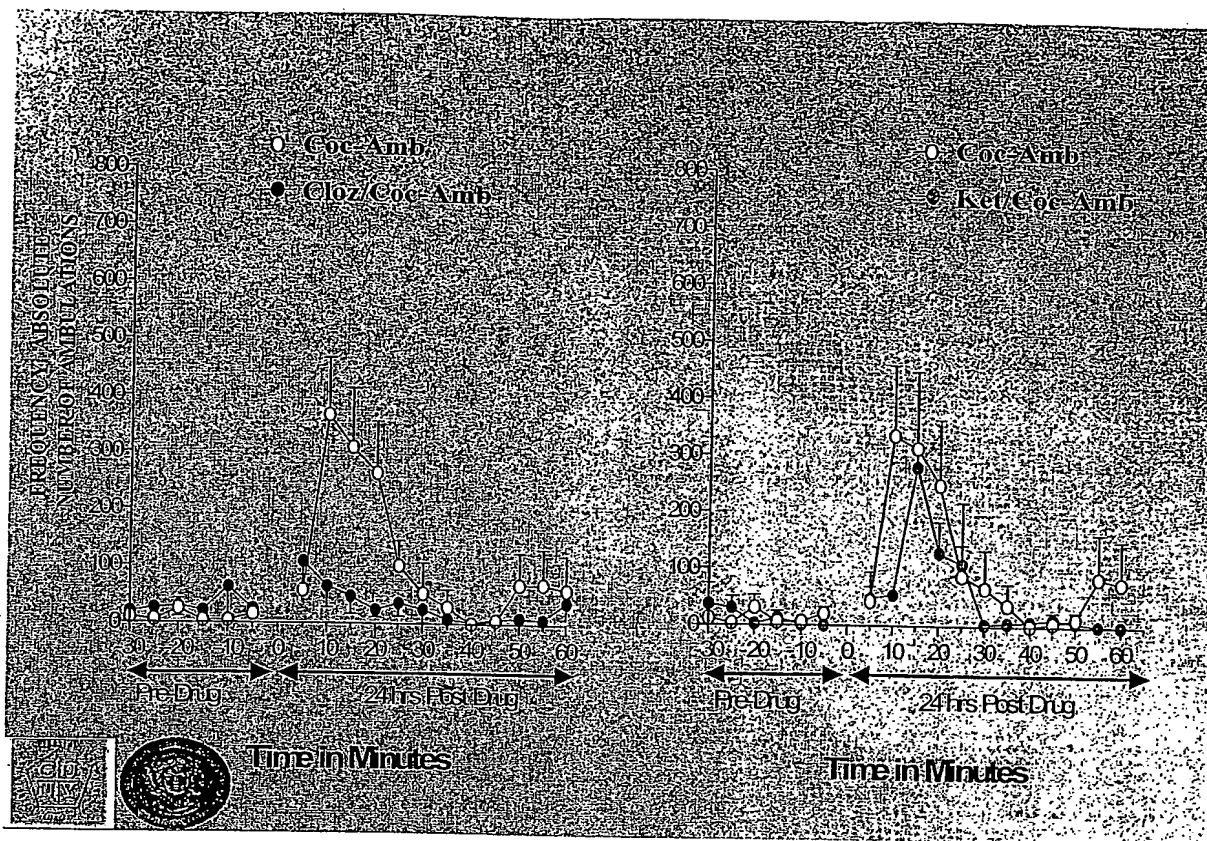


Figure 3L

CONCLUSIONS

ACUTE STUDIES

- a) COCAINE PRODUCED INCREASES IN DA AND 5-HT RELEASE IN N_{ACC} AND INCREASED BEHAVIOR
- b) BOTH CLOZAPINE AND KETANSERIN BLOCKED COCAINE-INDUCED DA, 5-HT RELEASE IN N_{ACC} AND COCAINE-INDUCED BEHAVIOR
- c) THUS, MECHANISM OF CLOZAPINE ON COCAINE-BLOCKADE SUGGESTS 5-HT_{2A/2C} MEDIATION



Figure 3M

CONCLUSIONS (II)

SUBACUTE STUDIES:

- a) COCAINE PRODUCED WITHDRAWAL RESPONSES IN BIOGENIC AMINES, BUT NOT IN BEHAVIOR
- b) BOTH CLOZAPINE AND KETANSERIN DECREASED DA AND BOTH INCREASED 5-HT RELEASE IN N_{ACC}
- c) THUS, PRESYNAPTIC BIOGENIC AMINE (5-HT_{2A/2C}) EFFECTS WERE SEPARATED FROM POSTSYNAPTIC BEHAVIOR (DA-) EFFECTS.
- d) CLOZAPINE'S SEDATIVE EFFECT MAY PLAY A ROLE IN THE SUBACUTE BEHAVIOR RESPONSE.

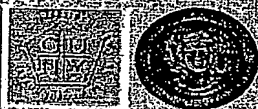
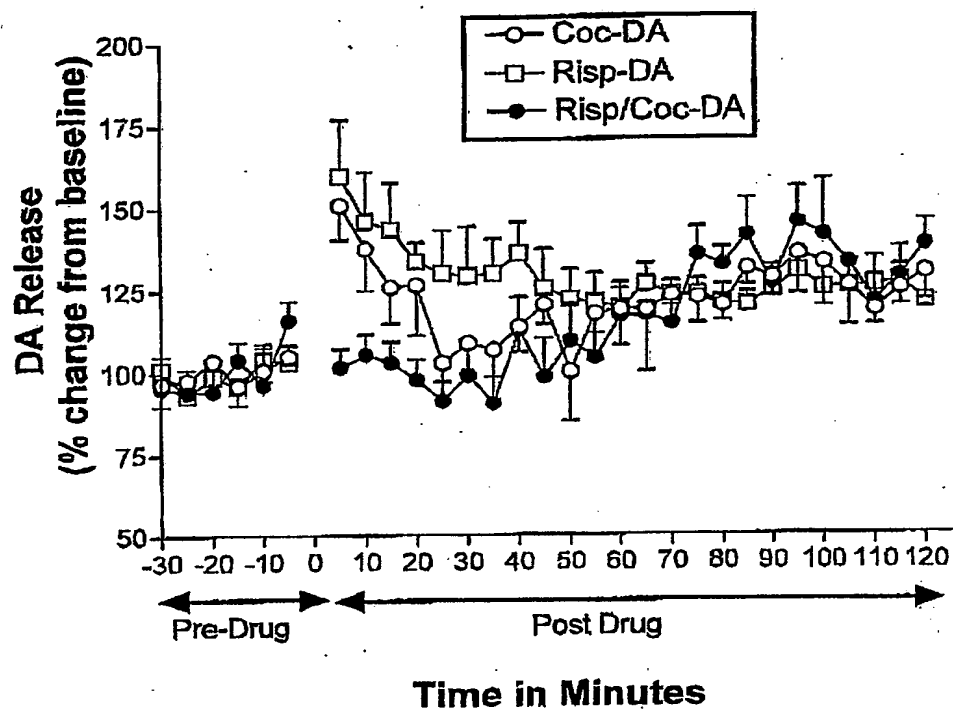


Figure 3N

**Figure 4A**

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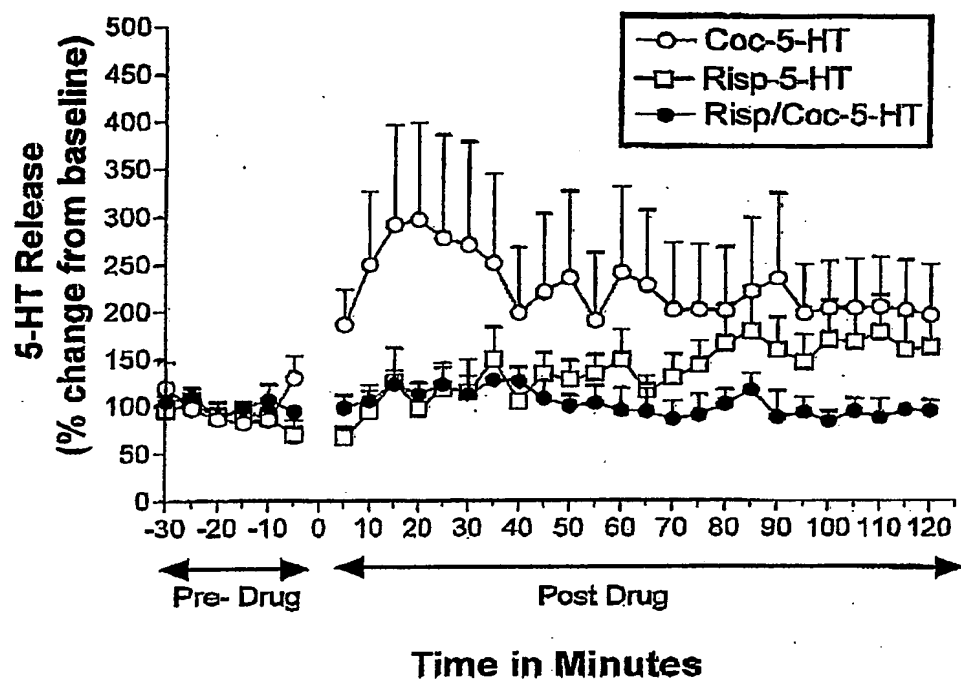


Figure 4B

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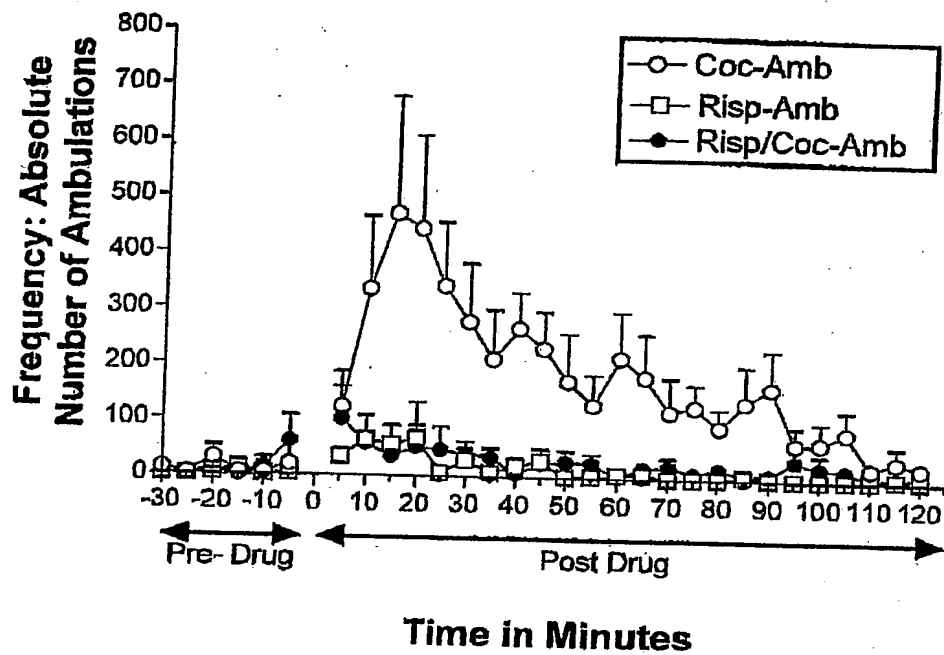
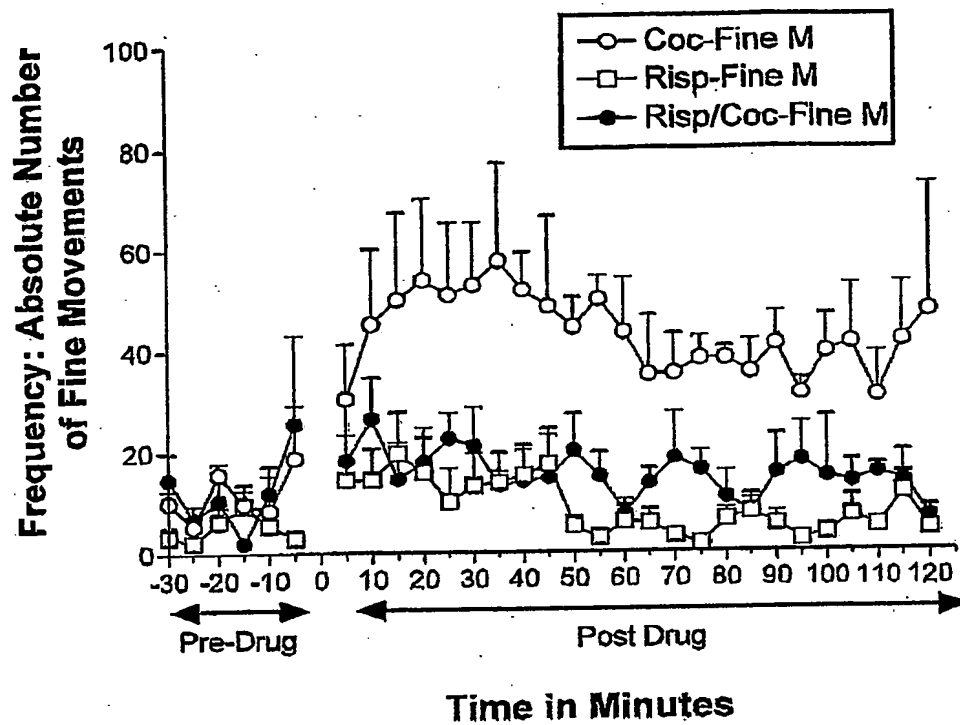
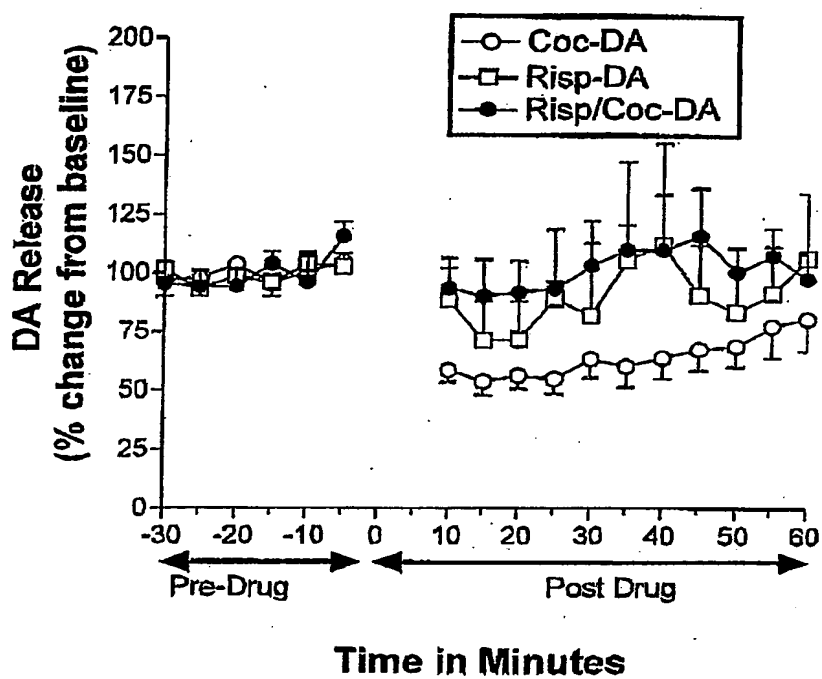


Figure 4C

**Figure 4D**

**Figure 5A**

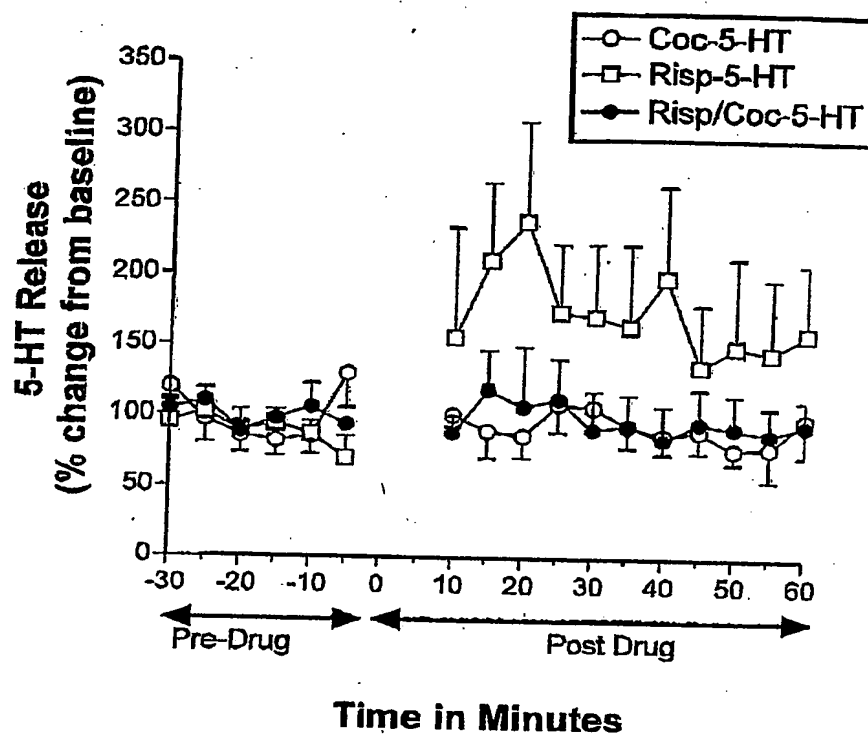


Figure 5B

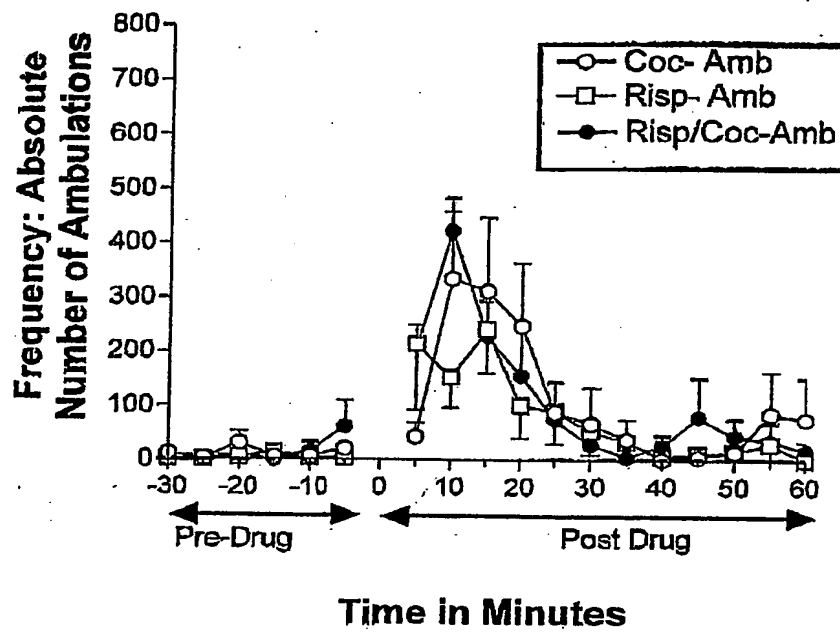
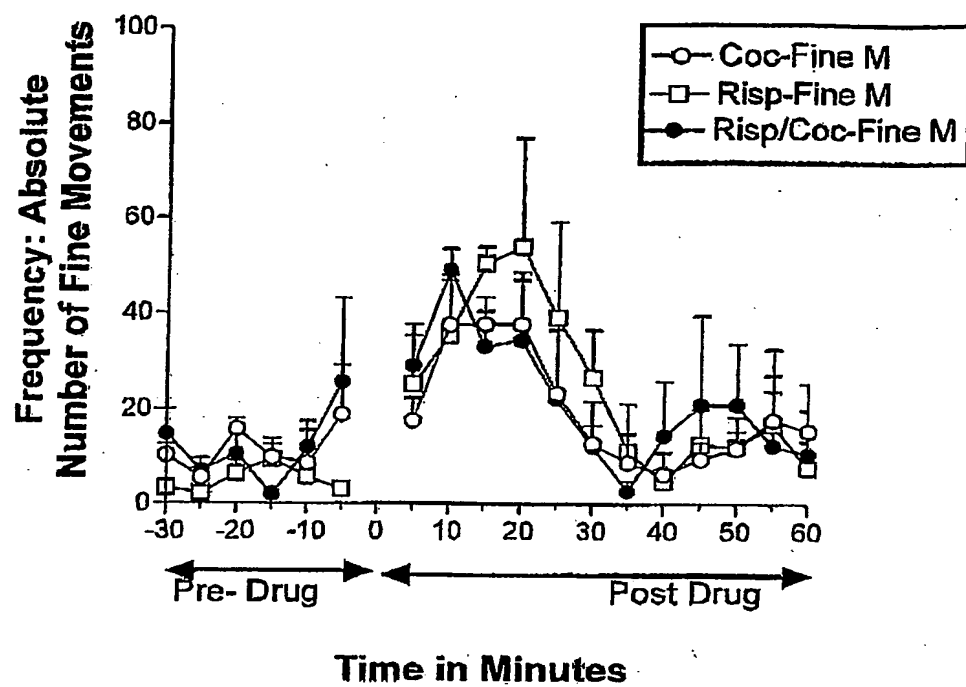


Figure 5C

**Figure 5D**

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